

Title (en)

Apparatus for measuring the discrepancy between a colour and a target colour

Title (de)

Vorrichtung zur Messung der Diskrepanz zwischen eine Farbe und eine Zielfarbe

Title (fr)

Appareil pour la mesure de la différence entre une couleur et une couleur cible

Publication

**EP 1541980 A3 20051221 (EN)**

Application

**EP 04028449 A 20041201**

Priority

JP 2003410541 A 20031209

Abstract (en)

[origin: EP1541980A2] A regulated amount measuring apparatus indicates a difference between two colors, for example, a discrepancy between a color of a printed matter in proof and a target color, to provide an index for a color regulation. A profile of the printing machine of interest is stored. Two sets of colorimetry values obtained through twice colorimetry for a proof image and the printed matter of a proof for instance are converted through the color profile to obtain two sets of coordinate values on a device color space, for example, CMY color space. Differences DELTA C, DELTA M and DELTA Y between the two sets of coordinate values are computed and then displayed.

IPC 1-7

**G01J 3/46**; **B41F 33/00**

IPC 8 full level

**B41F 31/00** (2006.01); **B41F 31/02** (2006.01); **B41F 33/00** (2006.01); **B41J 2/525** (2006.01); **G01J 3/46** (2006.01); **G01J 3/50** (2006.01); **H04N 1/46** (2006.01); **H04N 1/60** (2006.01)

CPC (source: EP US)

**B41F 33/0036** (2013.01 - EP US); **G01J 3/46** (2013.01 - EP US); **H04N 1/6052** (2013.01 - EP US)

Citation (search report)

- [X] US 2001030758 A1 20011018 - WENDT KARSTEN [DE], et al
- [X] US 6389968 B1 20020521 - SUGIMOTO HIROSHI [JP], et al
- [X] US 2001010191 A1 20010802 - STEINBACHER EDUARD [DE]

Cited by

EP2899964A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1541980 A2 20050615**; **EP 1541980 A3 20051221**; JP 2005172513 A 20050630; JP 4280615 B2 20090617; US 2005122517 A1 20050609; US 7271909 B2 20070918

DOCDB simple family (application)

**EP 04028449 A 20041201**; JP 2003410541 A 20031209; US 99995904 A 20041201